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D-51465 Bergisch Gladbach (DE)(54) **Ionically conductive organosiloxane polymer compositions.**

(57) The ionically conductive compositions of this invention comprise the ionic pair $(-\text{SO}_3)_n\text{M}^{n+}$ bonded either to a crosslinked polymer containing organosiloxane units or to a finely divided solid that is immobilized within said composition, where the sulfur atom of said ionic pair is bonded by means of a divalent hydrocarbon radical that optionally contains at least one ether (-O-) linkage, and where M is a metal from Group I or Group II of the periodic table of the elements and n represents the valence of M. If the polymer does not contain oxyalkylene units the composition contains a non-aqueous electrolyte.

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EUROPEAN SEARCH REPORT

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EP 93 11 2208

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cls)
A	US-A-4 888 257 (S.C.NARANG) * the whole document * ---	1-9	H01B1/12 H01M6/18
A	EP-A-0 362 593 (TORAY SILICONE) * page 4, line 30 - line 33; claims 1,2 * ---	1-9	
A,P	POLYMERS FOR ADVANCED TECHNOLOGIES vol. 4, no. 2/3, 1993, CHICHESTER, SUSSEX, GB pages 80 - 84 J.NI & AL 'synthesis of a novel polysiloxane-based polymer electrolyte and its ionic conductivity' * the whole document * ---	1-9	
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A	DATABASE WPI Section Ch, Derwent Publications Ltd., London, GB; Class A85, AN 90-302911 & JP-A-2 215 836 (FUJI PHOTO) 28 March 1990 * abstract * -----	1,3	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 February 1994	Examiner Drouot, M-C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			